an abstract routine generator for receiving a data stream comprising a multimedia routine and for outputting a generic abstract representation thereof during runtime; and

a translator for said abstract routine generator for receiving said abstract
5 representation and for outputting processor specific code during said runtime for processing multimedia input data during said runtime.

4. The apparatus of Claim 1 wherein said multimedia input data comprise SIMD input data.
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5. The apparatus of Claim 1, wherein said multimedia input data comprise image input data.

6. The apparatus of Claim 1, wherein said multimedia input data comprise audio
15 input data.

12. A method for generating assembly code, comprising:

providing an abstract routine generator for generating a generic abstract representation of an input stream during runtime, said input stream comprising a
20 multimedia routine; and

providing a translator for receiving said abstract representation from said abstract routine generator and for outputting processor-specific code during said runtime for processing multimedia input data during said runtime.

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